



شركة توريدات آبرا تهوية (سجاد فاس)



Mini chiller

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Mini chiller

Mono Mini Chiller



ACMHC-(H)42C4/C
ACMHC-(H)48A5/C



ACMHC-(H)55A4/C
ACMHC-(H)55A5/C



Product Type		ACMHC-(H)42C4/C	ACMHC-(H)55A4/C	ACMHC-(H)48A5/C	ACMHC-(H)55A5/C	
cooling capacity	Btu/h	44369	56314	47782	54949	
	KW	13	16.5	14	16.1	
heating capacity	Btu/h	48805	61777	52560	60392	
	KW	14.3	18.1	15.4	17.7	
rated cooling current	A	22.7	27.9	8.55	10.6	
cooling power	KW	4.48	5.7	4.8	5.6	
rated heating current	A	22.8	28.1	8.7	10.7	
heating power	KW	4.7	5.85	5	5.8	
Power(V/PHz)		220,1-50		380,3-50		
compressor	type	hermetic scroll compressor				
	Brand	Copeland				
	rated power	KW	2.52×2	3.12×2	5.25×1	3.12×2
	quantity		2	1	1	2
adjust capacity		50% 100%	50% 100%	100%	50% 100%	
Working Condition		T1	T1	T1	T1	
EER		2.9	2.89	2.91	2.87	
Heat exchanger (air side)	type	high efficiency coil flow noise axial-flow fan				
	fan quantity		2	1	2	1
	rated power	W	68×2	250×1	68×2	250×1
refrigerant	type	R22				
	quantity	Kg	2.18×2	2.90×2	4.49	2.9×2
protector		high/low pressure/water flux/overheating/over current/less phase/counter phase protection				
Heat exchanger (water side)	type	plate heat exchanger				
	water pressure drop	KPa	50	54	50	54
	flow volume	m ³ /h	2.24	2.84	2.4	2.77
	pump head	mH ₂ O	16	22	15	22
	water pump rated power	W	290	570	280	590
Dimension	length	mm	1160	1000	1160	1000
	width	mm	580	660	580	660
	height	mm	1260	1800	1260	1800
Packing Dimension	length	mm	1282	1140	1280	1140
	width	mm	644	780	644	780
	height	mm	1450	1990	1450	1990
Net weight	Kg	192	250	175	250	
Inlet and outlet water pipe	mm	DN25	DN32	DN25	DN32	
Noise level	dB(A)	60	61	60	61	

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ACMHC-(H)100A5/C
ACMHC-(H)150A5/C



ACMHC-(H)65A5/D
ACMHC-(H)90A5/D



Product Type		ACMHC-(H)100A5/C	ACMHC-(H)150A5/C	ACMHC-(H)65A5/D	ACMHC-(H)90A5/D	
cooling capacity	Btu/h	97270	145051	64846	83959	
	kW	28.5	42.5	19	24.6	
heating capacity	Btu/h	103754	158703	71331	90102	
	kW	30.4	46.5	20.9	26.4	
rated cooling current	A	17.7	25.5	12.5	16.5	
cooling power	kW	9.5	14	6.6	8.9	
rated heating current	A	18.1	27	12.8	17.1	
heating power	kW	10	14.8	6.9	9.3	
Power(V/PH/Hz)		380,3~50				
compressor	type	hermetic scroll compressor				
	Brand	Copeland		Daikin		
	rated power	kW	5.25×2	7.83×2	3.4×2	4.2×2
	quantity		2	2	2	2
	adjust capacity		50% 100%	50% 100%	50% 100%	50% 100%
Working Condition		T1	T1	T1	T1	
EER		3.0	3.03	2.88	2.76	
Heat exchanger (air side)	type	high efficiency coil / low noise axial-flow fan				
	fan quantity		2	2	1	1
	rated power	W	150×2	550×2	550	550
refrigerant	type	R22				
	quantity	Kg	4.55×2	8.5×2	4.2×2	3.7×2
protector		high/low pressure/water flux/overheating/over current/less phase/counter phase protection				
Heat exchanger (water side)	type	plate heat exchanger				
	water pressure drop	KPa	54	60	50	50
	flow volume	m ³ /h	4.9	7.3	3.27	4.13
	pump head	mH ₂ O	23	21	20	20
	water pump rated power	W	940	910	630	690
Dimension	length	mm	1600	1950	1385	1385
	width	mm	660	660	961	961
	height	mm	1600	1800	1070	1070
Packing Dimension	length	mm	1740	2090	1452	1452
	width	mm	780	780	1101	1101
	height	mm	1990	1990	1326	1326
Net weight	Kg	360	500	240	250	
Inlet and outlet water pipe	mm	DN40	DN40	DN40	DN40	
Noise level	dB(A)	63	67	62	62	



شرکت مهندسی آپرا تهویه (سهامی خاص)



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Technical Data

Model	Unit	08	10	12	16	22	25	30
Cooling *								
Cooling capacity	kW	8.6	11	12.6	15.3	22.8	25.7	30.8
Cooling input (without water pump)	kW	2.91	3.66	4.21	4.92	7.81	8.55	10.2
EER	/	2.96	3.01	2.99	3.11	2.92	3.01	3.02
Heating **								
Heating capacity	kW	9.5	12.1	13.8	16.3	25.2	28.1	33.5
Heating input (without water pump)	kW	2.91	3.66	4.21	4.92	7.81	8.55	10.2
COP	/	3.26	3.31	3.28	3.31	3.23	3.29	3.28
Hermetic compressor								
Type	/	Scroll(380-415V/3Ph/50Hz)						
Quantity/circuit	/	1	1	1	1	2/2	2/2	2/2
Evaporator								
Type	/	Plate heat exchanger						
Water flow	m ³ /h	1.5	1.9	2.2	2.6	3.9	4.4	5.3
Water side pressure drop	kPa	33	33	33	36	38	39	42
Water connection size	mm	DN25	DN25	DN25	DN25	DN40	DN40	DN40
Circulating pump								
Power input	kW	0.35	0.35	0.35	0.35	0.75	0.75	0.92
Axial fans								
Quantity	Nr.	1	1	1	2	1	1	1
Airflow	m ³ /h	4500	4500	4500	9000	9000	9000	12580
Overall dimension								
Length	mm	1250	1250	1250	1250	1600	1600	1600
Width	mm	452	452	452	452	900	900	900
Height	mm	1180	1180	1180	1180	1080	1080	1080
Noise level ***	dB(A)	58	58	60	64	66	66	68
Net weight	kg	145	145	150	190	270	290	310

* Ambient temperature 35°C : user side water in/out 12/7°C

** Ambient temperature 7°C : user water in/out 40/45°C

*** Sound pressure measured at a distance of 1 m and a height of 1/5 m above the ground in an ideal field (fan side)

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